

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims

1. (Currently amended) A microsilica with pozzolanic activity that contains at least 85% in weight of silica with respect to the total weight of microsilica, ~~characterized because~~ wherein the silica contains 55 to 90% in weight of cristobalite and tridimite with respect to the total weight of silica, wherein said microsilica has a particle size distribution equal to or less than 40 μ m at 98%, and wherein said microsilica does not contains significant amounts of alkaline metal oxide.
2. (Currently amended) The microsilica of claim 1, ~~characterized because~~ wherein the amount of cristobalite and tridimite is 70 to 90% in weight with respect to the total weight of silica.
3. (Currently amended) The microsilica of claim 1, ~~characterized because~~ wherein the cristobalite and tridimite have a crystal size of 5 to 12 nm.
4. (Currently amended) The microsilica of claim 3, ~~characterized because~~ wherein the cristobalite and tridimite have a crystal size of 6 to 11 nm.
5. (Currently amended) The microsilica of claim 1, ~~characterized because~~ wherein said microsilica has a pozzolanic index from 100 to 125%.
6. (Currently amended) The microsilica of claim 5, ~~characterized because~~ wherein said microsilica has a pozzolanic index from 115% to 125%.

7. (Currently amended) The microsilica of claim 1, ~~characterized because~~
wherein said microsilica has a superficial area of 25,000 m²/Kg.
8. (Canceled)
9. (Currently amended) The microsilica of claim 1, ~~characterized because~~
wherein said microsilica has a density equal to or ~~minor to~~ less than 2.4 g/cm³.
10. (Currently Amended) The microsilica of the claim 1, ~~characterized because it~~
wherein said microsilica includes:

Components	Percentage in weight with respect to the total weight of microsilica (%)	Method
SiO ₂	89.08	ASTM-C114
Al ₂ O ₃	1.87	ASTM-C114
Fe ₂ O ₃	0.1	ASTM-C114
CaO	3.96	ASTM-C114
MgO	0.88	ASTM-C114
K ₂ O	0.06	ASTM-C114
SO ₃	0.35	ASTM-C114
PPI	2.22	ASTM-C114

11. (Currently amended) The microsilica of the claim 10, ~~characterized because~~
wherein said microsilica has a density of 2.33 g/cm³, a mesh fineness of 325 in a 96.7 % and a Blaine value of 6,536 g/cm².

12. (Currently Amended) A method for the ~~obtention~~ production of the microsilica of claim 1, ~~characterized because~~ wherein the method includes the steps of:

- a) Obtaining siliceous material from a natural deposits deposit,
- b) Selecting ~~these~~ any parts of the deposit that contain SiO₂ in an amount equal to or greater ~~equal or greater amounts~~ than 85% in weight with respect to the total weight of the material,
- c) Selecting ~~the~~ any parts with a density lower ~~to~~ than 2.4 g/cm³ from the ~~obtained parts in~~ selected in step b),
- d) Crushing the ~~obtained parts~~ selected in step c) until ~~obtaining~~ a particle size lower than 1/2" is obtained,
- e) Calcination of the material ~~obtained before~~ resulting from step d) at 590 to 620 °C, and
- f) Milling the calcined material until ~~obtaining~~ a mesh particle size of 325 at 96% minimum is obtained.

13. (Currently amended) The method of claim 12, ~~characterized because~~ wherein the natural deposit is an ignimbrite deposit.

14. (Currently amended) The method of claim 13, ~~characterized because~~ wherein the microsilica has a pozzolanic index from 100 to 125%.

15. (Currently amended) The method of claim 14, ~~characterized because~~ wherein the microsilica has a pozzolanic index from 115% to 125%.

16. (Currently Amended) A method for the ~~obtention~~ production of the microsilica of claim 1, ~~characterized because~~ wherein the method includes the steps of:

- a) Obtaining siliceous material from a natural deposits deposit,

- b) Selecting ~~these~~ any parts of the deposit that contain SiO_2 in an equal or greater amounts than 85% in weight with respect to the total weight of the material,
 - c) Selecting ~~the~~ any parts with a density lower ~~to~~ than 2.4 g/cm^3 from the ~~obtained~~ parts selected in step b),
 - d) Crushing the ~~obtained~~ parts selected in step c) until ~~obtaining~~ a particle size lower than $1/2''$ is obtained, and
 - e) Milling the material obtained in step d) until ~~obtaining~~ a mesh particle size of 325 at 96% minimum is obtained.
17. (Currently amended) The method of claim 16, ~~characterized because~~ wherein the natural deposit is an ignimbrite deposit.
18. (Currently amended) The method of claim 17, ~~characterized because~~ wherein the microsilica has a pozzolanic index from 100 to 120%.
19. (New) A microsilica with pozzolanic activity that contains at least 85% in weight of silica with respect to the total weight of microsilica, wherein the silica contains 55 to 90% in weight of cristobalite and tridimite with respect to the total weight of silica and said microsilica has a particle size distribution equal to or less than $40 \mu\text{m}$ at 98%, wherein said microsilica is produced by
- a) obtaining siliceous material from a natural deposit,
 - b) selecting any parts of the deposit that contain SiO_2 in an amount equal to or greater than 85% in weight with respect to the total weight of the material,

- c) selecting any parts with a density lower than 2.4 g/cm^3 from the parts selected in step b),
 - d) crushing the parts selected in step c) until a particle size lower than $1/2''$ is obtained,
 - e) milling the material until a mesh particle size of 325 at 96% minimum is obtained.
20. (New) The method according to claim 19, further comprising subjecting the material resulting from step d) to calcination at 590 to 620 °C prior to milling.